

Substitute Form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/648,025
				Filing Date	August 26, 2003
				First Named Inventor:	Rajiv Ramaswami
				Group Art Unit	2872-2874
				Examiner Name	Unassigned Healy
				Attorney Docket Number	3239P081D
Sheet 1		of 9			

U.S. PATENT DOCUMENTS						CLASS	SUB-CLASS
Exam. Initial ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Issue/ Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	
		Number Code ²	Kind (if known)				
QWT		3,651,392		Frisch, et al.	3/21/1972	318	561
QWT		4,365,863		Broussaud	12/28/1982	385	18X
QWT		4,369,523		Seki, et al.	1/18/1983	455	601
QWT		4,437,190		Rozenwaig, et al.	3/13/1984	455	600
QWT		4,470,154		Yano	9/4/1984	455	607
QWT		4,519,670		Spinner, et al.	5/28/1985	350	96.15
QWT		4,530,566		Smith, et al.	7/23/1985	350	96.20
QWT		4,563,774		Gloge	1/7/1986	455	607
QWT		4,580,873		Levinson	4/8/1986	385	17X
QWT		4,612,670		Henderson	5/16/1986	455	607
QWT		4,634,239		Buhrer	10/6/1987	350	286
QWT		4,797,879		Habbab, et al.	1/10/1989	370	3
QWT		4,817,014		Schneider, et al.	3/28/1989	364	728.03
QWT		4,843,382		Oda, et al.	6/27/1989	455	601X
QWT		4,856,863		Sampsel, et al.	8/15/1989	325	18X
QWT		4,859,012		Chon	8/22/1989	385	18X
QWT		4,886,335		Yanagawa, et al.	12/12/1989	385	18X
QWT		4,897,830		Hill, et al.	1/30/1990	370	4
QWT		4,903,225		Brost	2/20/1990	375	96
QWT		4,982,446		Lord, et al.	1/1/1991	455	606

FOREIGN PATENT DOCUMENTS						CLASS	SUBCLASS	T ^o
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
QWT		WO	86/04205		PCT	07/17/86	H040	11/02
QWT		WO	86/05649		PCT	09/25/86	H040	11/02
QWT		WO	90/14734		PCT	11/29/90	H04N	7/22
QWT		WO	91/01603		PCT	02/07/91	H04J	14/08
QWT		WO	95/19689		PCT	07/20/95	H040	11/08
QWT		EP	0 674 457	A2	Fujitsu	09/27/95	385	24X
QWT		EP	0 721 275	A2	EPO	12/28/95	H04M	3/36

Examiner Signature: <u>B. Healy</u>	Date Considered: <u>6/15/04</u>
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				Group Art Unit	2872 2829	
				Examiner Name	Unassigned Healy	
Sheet 2 of 9	Attorney Docket Number		3239P081D			
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BWB		4,984,238		Watanabe, et al.	1/8/1991	370 105.1
BWB		5,035,482		ten Berge, et al.	7/30/1991	350 96.20
BWB		5,037,173		Sampsel, et al.	8/6/1991	385 17
BWB		5,157,652		Walker	10/20/1992	370 17
BWB		5,216,729		Berger, et al.	6/1/1993	385 31
BWB		5,253,274		Janniello, et al.	10/12/1993	375 121
BWB		5,260,819		Hadifotiou, et al.	11/9/1993	359 10
BWB		5,272,556		Faulkner, et al.	12/21/1993	359 125
BWB		5,299,044		Mosch, et al.	3/29/1994	359 110
BWB		5,349,550		Gage	9/20/1994	364 728.03
BWB		5,355,238		Kight, et al.	10/11/1994	359 135
BWB		5,359,683		Pan	10/25/1994	385 22
BWB		5,440,654		Lambert, Jr.	8/8/1995	385 17
BWB		5,477,364		Pearson	12/19/1995	359 139
BWB		5,485,300		Daley	1/16/1996	359 120
BWB		5,487,120		Choy, et al.	1/23/1996	385 24
BWB		5,488,862		Neukermans, et al.	2/6/1996	73 501.2
BWB		5,515,361		Li, et al.	5/7/1996	370 15
BWB		5,521,732		Nishio	5/28/1996	559 120
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		Office ³	Number ⁴	Kind Code ⁵ (If known)				
BWB		EP	0 752 794	A2	EPO	01/08/97	H04Q 11/00	
BWB		EP	0 759 681	A2	EPO	02/26/97	385 17X	
BWB		EP	0 809 384	A2	EPO	05/20/97	H04L 29/14	
BWB		WO	97/24822		PCT	07/10/97	H04B 10/08	
BWB		EP	0 857 000	A2	EPO	01/30/98	H04Q 11/00	
BWB		EP	0 647 457	A3	Fujitsu	05/13/98	H04Q 11/00	
BWB		WO	98/54863		PCT	05/27/98	H04J 14/02	

Examiner Signature	B. Healy	Date Considered	6/15/04
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BWB		5,524,153		Laor	6/4/1996	385	16
BWB		5,535,293		Buchin	7/9/1996	385	27
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BWB		5,570,371		Iga	10/29/1996	270	99
BWB		5,608,735		McCullough, et al.	3/4/1997	320	51.3
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BWB		5,629,919		Hayashi, et al.	5/13/1997	369	112
BWB		5,648,618		Neukermans, et al.	7/15/1997	73	862.08
BWB		5,666,487		Goodman, et al.	9/9/1997	395	200.76
BWB		5,694,389		Seki, et al.	12/2/1997	375	326
BWB		5,699,463		Yang, et al.	12/16/1997	385	22
BWB		5,719,903		Hiben, et al.	2/17/1998	375	322
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BWB		5,729,527		Gerstel, et al.	3/17/1998	370	228
BWB		5,745,274		Fatehi, et al.	4/28/1998	359	187
BWB		5,774,604		McDonald	6/30/1998	385	18
BWB		5,781,537		Ramaswami, et al.	7/14/1998	370	254
BWB		5,793,746		Gerstel, et al.	8/11/1998	370	228
BWB		5,801,863		Fatehi, et al.	9/1/1998	359	124
BWB		5,825,877		Dan, et al.	10/20/1998	380	4

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		Office ³	Number ⁴	Kind Code ⁵ (If known)			CLASS	SUB-CLASS	
BWB		EP	0 849 906	A2	Fujitsu	06/24/98	385	24X	
BWB		EP	0 898 440	A2	EPO	02/24/99	404Q	11/00	
BWB		GB	2347570	A	United Kingdom	03/03/99	404J	14/02	
BWB		WO	99/13656		PCT	03/18/99	404Q	3/52	
BWB		WO	99/18751		PCT	04/15/99	385	24X	
BWB		EP	0 910 138	A1	EPO	04/21/99	4015	3/025	
BWB		EP	0 932 069	A1	EPO	07/28/99	402F	1/09	

Examiner
Signature

B. Healy

Date Considered

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Substitut f r F rm 1449A/PTO (Modified)

INFORMATION DISCLOSURE

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Application Number	10/648,025
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Group Art Unit	2872 2824
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		Number Code ²	Kind (If known)			Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Sub-CLASS
BWD		5,825,949		Choy, et al.	10/20/1998	385	24
BWD		5,828,476		Bonebright, et al.	10/27/1998	359	152
BWD		5,864,643		Pan	1/26/1999	385	33
BWD		5,867,289		Gerstel, et al.	2/2/1999	359	110
BWD		5,892,606		Fatehi, et al.	4/6/1999	359	177
BWD		5,900,968		Srivastava, et al.	5/4/1999	359	341
BWD		5,903,687		Young, et al.	5/11/1999	385	17
BWD		5,915,063		Colbourne, et al.	6/22/1999	385	180
BWD		5,942,937		Bell	8/24/1999	329	303
BWD		5,960,132		Lin	9/28/1999	385	18
BWD		5,963,350		Hill	10/5/1999	359	127
BWD		5,970,201		Anthony, et al.	10/19/1999	385	140
BWD		5,978,113		Kight	11/2/1999	359	110
BWD		6,002,818		Fatehi, et al.	12/14/1999	385	17
		6,002,818		Fatehi, et al.	12/14/1999	385	16
BWD		6,005,993		MacDonald	12/21/1999	385	16
		6,005,993		MacDonald	12/21/1999		
BWD		6,008,915		Zyskind	12/28/1999	359	110
BWD		6,009,220		Chan, et al.	12/28/1999	385	24
BWD		6,046,833		Sharma, et al.	4/4/2000	359	119

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		Office ³	Number ⁴	Kind Code ⁵ (If known)			Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Sub-CLASS	
BWD		WO	99/40738		Tol Johannes Jacobus Gerardus	08/12/99	385	24x	
BWD		EP	0 938 244	A2	Fujitsu	08/25/99	1040	11/90	
BWD		WO	00/13210		PCT	09/09/99	6028	26/08	
BWD		WO	99/48323		PCT	09/23/99	1048	11/08	
BWD		EP	0 953 854	A1	EPO	11/03/99	1040	11/04	
BWD		WO	99/59272		PCT	11/18/99	1048	14/02	
BWD		WO	99/63374		Laor	12/09/99	385	18x	

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BWB		6,047,331		Medard, et al.	4/4/2000	709	239
BWB		6,069,924		Sudo, et al.	5/30/2000	375	330
BWB		6,072,612		Liou, et al.	6/6/2000	385	17
BWB		6,081,361		Adams, et al.	2/27/2000	359	123
BWB		6,097,858		Laor	8/1/2000	385	16
BWB		6,097,859		Solgaard, et al.	8/1/2000	385	17
BWB		6,108,311		Ramaswami, et al.	8/22/2000	370	258
BWB		6,130,876		Chaudhuri	10/10/2000	370	228
BWB		6,147,968		DeMoer, et al.	11/14/2000	370	225
BWB		6,148,124		Aksyuk, et al.	11/14/2000	385	24
BWB		6,160,821		Dolle, et al.	12/12/2000	370	509
BWB		6,188,810	B1	Baney	2/13/2001	385	11
BWB		6,188,814	B1	Bhalla	2/13/2001	385	15
BWB		6,192,172		Fatehi, et al.	2/20/2001	359	124
BWB		6,195,402	B1	Hiramatsu	2/27/2001	375	368
BWB		6,198,571	B1	Yank	3/6/2001	359	337
BWB		6,207,949	B1	Jackel	3/27/2001	250	227.11
BWB		6,222,954	B1	Riza	4/24/2001	385	18
BWB		6,252,689	B1	Sharp	6/26/2001	359	168
BWB		6,253,001	B1	Hoen	6/26/2001	385	17

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Bur		6,285,809		Nir, et al.	9/4/2001	385 / 16
Bur		6,295,154	B1	Laor, et al.	9/25/2001	359 / 223
Bur		6,301,402		Bhalla, et al.	10/9/2001	359 / 128
Bur		6,317,530	B1	Ford	11/13/2001	385 / 17
Bur		6,374,008		Solgaard, et al.	4/16/2002	359 / 17
Bur		6,392,220	B1	Slater, et al.	5/21/2002	250 / 216
Bur		6,400,730		Latif, et al.	6/4/2002	370 / 466
		6,601,482		Davis	5/9/2000	
		6,816,021		Fatehi, et al.	2/6/2001	

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Bur		WO	00/20899	A3	Xros, Inc.	04/13/00	385 / 18X	
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Bur		WO	00/30282		PCT	05/25/00	1048 / 11/04	
Bur		EP	0 857 000	A3	Nippon Electric Co.	08/09/00	1048 / 10/213	
Bur		WO	00/52865		PCT	09/08/00	1045 / 14/02	
Bur		WO	00/07945		Nortel Networks Corp	02/01/01	385 / 18X	

Examiner
Signature

B. Healy

Date Considered

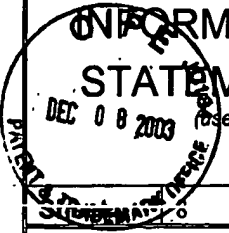
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Substitut for F rm 1449A/PTO (Modified)		Complete if Kn wn	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/648,025
		Filing Date	August 26, 2003
		First Named Inventor:	Rajiv Ramaswami
		Group Art Unit	2872
		Examiner Name	Unassigned
		Attorney Docket Number	3239P081D



OTHER ART – NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
Bmt		A. HIMENO, R. NAGASE, T. ITO, K.KATO AND M. OKUNO; Photonic Inter-Module Connector Using 8x8 Optical Switches for Near-Future Electronic Switching Systems; IEICE Transactions on Communications; E77-B (1994) February, No. 2, Tokyo, JP	
Bmt		LIN, L.Y. et al.; Micro-Electro-Mechanical Systems (MEMS) for WDM Optical-Crossconnect Networks, Milcom 1999; IEEE Military Communications Conf Proceedings; Atlantic City, NJ 10/31-11/3/99; pgs. 954-957.	
Bmt		S. OKAMOTO, et al.; Optical Path Cross-Connect Node Architectures for Photonic Transport Network, Journal of Lightwave Technology, Vol. 14, No. 6, June 1996, pgs. 1410-1422.	
Bmt		GUSTAFFSON, K. & HOK, B., A Batch-Processed Optical Scanner Proc. 12th Nordic Semiconductor Meeting, Jevnaker (Oslo: Center for Industrial Research) pp. 282-285, 1996.	
Bmt		GUSTAFFSON, K. & HOK, B., Fiberoptic Switching and Multiplexing with a Micromechanical Scanning Mirror, Digest of Technical Papers, 4th Int. Conf. On Solid State Sensors and Actuators (Tokyo: Institute of Electrical Engineers of Japan) pp. 212-215, 1985.	
Bmt		GUSTAFFSON, K. & HOK, B., A Silicon Light Modulator, Journal of Physics E. Scientific Instruments 21, pp. 608, 1998.	
Bmt		LIN L.Y., et al., Free-Space Micromachined Optical-Switching Technologies and Architectures, OFC/100C '00, February 21-26, 1999.	
Bmt		LAOR, H., et al., Performance of a 576x576 Optical Cross Connect, NFOEC-99.	
Bmt		Types and Characteristics of SDH Network Protection Architectures; ITU-T Recommendation G.841 10/98.	
Bmt		RAJIV RAMASWAMI & KUMAR SIVARAJAN, Optical Networks: A Practical Perspective, Morgan Kaufmann Pub. 1998, pp 152-161.	
Bmt		RAJIV RAMASWAMI & KUMAR SIVARAJAN, Optical Networks: A Practical Perspective, Morgan Kaufmann Pub. 1998, pp 423-462.	
Bmt		CHAD WHITE, The Photonic Switch Completes the Much-Vaunted All-Optical Network, Technology Investor, October 2000, pp 28-31.	

Examiner Signature	<i>B. Healy</i>	Date Considered	6/18/04
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Substitut for F rm 1449A/PTO (Modified)		Comple if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/648,025
		Filing Date	August 26, 2003
		First Named Inventor:	Rajiv Ramaswami
		Group Art Unit	2872 2874
		Examiner Name	Unassigned Healy
		Attorney Docket Number	3239P081D
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BWH	1	BISCHOFF, et al., Operation and Maintenance for an All-Optical Transport Network, IEEE Communications, Magazine, pp 136-142, 11/1996.	
BWH	2	LIN. et al., Free-Space Micromachined Optical Switches with Submillisecond Switching Time for Large-Scale Optical Crossconnects, pp 525-527, 04/1998.	
BWH	3	KAUFMAN, et al., The Optical Internet, A New Network Architecture, pp 1-13.	
BWH	4	SIMON, et al., All Optical Regeneration, IEEE, pp 53-54.	
BWH	5	PETER WONG & MARK YIN, An Economic Analysis for Core Optical Transport Networks.	
BWH	6	CRAIG LABOVITZ, ABHA AHUJA, FARNAM JAHANAIAAN, Experimental Study of Internet Stability and Backbone Failures, IEEE, pp 278-285, 1999.	
		NONE of Applications	
		were Recieve	

Examiner Signature	B. Healy	Date Considered	6/15/04
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